

ABSTRACT OF THE DISCLOSURE

A system and method are described for implementing a distributed database caching system with the capability to support and accelerate read and update transactions to and from one or more central Database Management System (DBMS) servers for multiple concurrent users. The system and method include a resource abstraction layer in a database client driver in communication with remote server units (RSUs) having a cache database. RSUs respond to user requests using the cache database if possible. If the cache database does not have the needed data, the RSU sends the request to a database subscription manager (DSM) in communication with the DBMS server. The DSM responds to the request and sends predicate data based on queries processed by the DBMS server for use in updating the cache databases.

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